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TYPE

Input Set : A:\258-235.txt  
Output Set: N:\CRF3\08172001\I699667A.raw

DATE: 08/17/2001  
TIME: 14:26:26

#7 / K.T.  
11-15-01

RAW  
SEQ  
listing

ENTERED

3 <110> APPLICANT: Perreault, Jean-Pierre  
 4 Ananvoranich, Sirinart  
 5 Lafontaine, Daniel  
 6 Universite de Sherbrooke  
 8 <120> TITLE OF INVENTION: Nucleic Acid Enzyme for RNA Cleavage  
 10 <130> FILE REFERENCE: 77473-12, 258/235  
 12 <140> CURRENT APPLICATION NUMBER: US/09/699,667A  
 13 <141> CURRENT FILING DATE: 2000-10-30  
 15 <150> PRIOR APPLICATION NUMBER: PCT/CA99/00391  
 16 <151> PRIOR FILING DATE: 1999-04-29  
 18 <150> PRIOR APPLICATION NUMBER: CA 2,230,203  
 19 <151> PRIOR FILING DATE: 1998-04-29  
 21 <160> NUMBER OF SEQ ID NOS: 54  
 23 <170> SOFTWARE: PatentIn Ver. 2.0  
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 26 <211> LENGTH: 11  
 27 <212> TYPE: RNA  
 28 <213> ORGANISM: Artificial Sequence  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleotide  
 sequence comprised of ribonucleotides or a  
 combination of ribonucleotides and  
 deoxyribonucleotides  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: misc\_feature  
 38 <222> LOCATION: (1) ... (11)  
 39 <223> OTHER INFORMATION: n is a or g or c or t/u, unknown, or other  
 41 <400> SEQUENCE: 1

W--> 42 nnrhgnhn n 11

44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 11  
 46 <212> TYPE: RNA  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleotide  
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 deoxyribonucleotides  
 55 <220> FEATURE:  
 56 <221> NAME/KEY: misc\_feature  
 57 <222> LOCATION: (6) ... (11)  
 58 <223> OTHER INFORMATION: n is a or g or c or t/u, unknown, or other  
 60 <400> SEQUENCE: 2

W--> 61 rrrhgnhn n 11

63 <210> SEQ ID NO: 3  
 64 <211> LENGTH: 11  
 65 <212> TYPE: RNA

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/699,667A DATE: 08/17/2001  
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66 <213> ORGANISM: Artificial Sequence  
68 <220> FEATURE:  
69 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleotide  
70 sequence comprised of ribonucleotides or a  
71 combination of ribonucleotides and  
72 deoxyribonucleotides  
74 <220> FEATURE:  
75 <221> NAME/KEY: misc\_feature  
76 <222> LOCATION: (6) ... (11)  
77 <223> OTHER INFORMATION: n is a or g or c or t/u, unknown, or other  
79 <400> SEQUENCE: 3  
**W--> 80 gggcgnnnn n 11**  
82 <210> SEQ ID NO: 4  
83 <211> LENGTH: 11  
84 <212> TYPE: RNA  
85 <213> ORGANISM: Artificial Sequence  
87 <220> FEATURE:  
88 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleotide  
89 sequence comprised of ribonucleotides or a  
90 combination of ribonucleotides and  
91 deoxyribonucleotides  
93 <220> FEATURE:  
94 <221> NAME/KEY: misc\_feature  
95 <222> LOCATION: (6) ... (11)  
96 <223> OTHER INFORMATION: n is a or g or c or t/u, unknown, or other  
98 <400> SEQUENCE: 4  
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101 <210> SEQ ID NO: 5  
102 <211> LENGTH: 11  
103 <212> TYPE: RNA  
104 <213> ORGANISM: Artificial Sequence  
106 <220> FEATURE:  
107 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleotide  
108 sequence comprised of ribonucleotides or a  
109 combination of ribonucleotides and  
110 deoxyribonucleotides  
112 <220> FEATURE:  
113 <221> NAME/KEY: misc\_feature  
114 <222> LOCATION: (6) ... (11)  
115 <223> OTHER INFORMATION: n is a or g or c or t/u, unknown, or other  
117 <400> SEQUENCE: 5  
**W--> 118 gggugnnnn n 11**  
120 <210> SEQ ID NO: 6  
121 <211> LENGTH: 12  
122 <212> TYPE: RNA  
123 <213> ORGANISM: Artificial Sequence  
125 <220> FEATURE:  
126 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleotide  
127 sequence comprised of ribonucleotides or a

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128      combination of ribonucleotides and
129      deoxyribonucleotides
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (6) ... (12)
134 <223> OTHER INFORMATION: n is a or g or c or t/u, unknown, or other
136 <400> SEQUENCE: 6
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142 <213> ORGANISM: Artificial Sequence
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145 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleotide
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147 combination of ribonucleotides and
148 deoxyribonucleotides
150 <220> FEATURE:
151 <221> NAME/KEY: misc_feature
152 <222> LOCATION: (6) ... (11)
153 <223> OTHER INFORMATION: n is a or g or c or t/u, unknown, or other
155 <400> SEQUENCE: 7
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160 <212> TYPE: RNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleotide
165 sequence comprised of ribonucleotides or a
166 combination of ribonucleotides and
167 deoxyribonucleotides
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (6) ... (11)
172 <223> OTHER INFORMATION: n is a or g or c or t/u, unknown, or other
174 <400> SEQUENCE: 8
W--> 175 yhrhggnhn n          11
177 <210> SEQ ID NO: 9
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179 <212> TYPE: RNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA
184 sequence
186 <400> SEQUENCE: 9
187 gggcgggguucg g          11
189 <210> SEQ ID NO: 10
190 <211> LENGTH: 10

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## RAW SEQUENCE LISTING

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191 <212> TYPE: RNA  
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194 <220> FEATURE:  
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201 <210> SEQ ID NO: 11 10  
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203 <212> TYPE: RNA  
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206 <220> FEATURE:  
207 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
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213 <210> SEQ ID NO: 12  
214 <211> LENGTH: 11  
215 <212> TYPE: RNA  
216 <213> ORGANISM: Artificial Sequence  
218 <220> FEATURE:  
219 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
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223 gggccggucg g  
225 <210> SEQ ID NO: 13 11  
226 <211> LENGTH: 11  
227 <212> TYPE: RNA  
228 <213> ORGANISM: Artificial Sequence  
230 <220> FEATURE:  
231 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
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235 gggcgagucg g  
237 <210> SEQ ID NO: 14 11  
238 <211> LENGTH: 11  
239 <212> TYPE: RNA  
240 <213> ORGANISM: Artificial Sequence  
242 <220> FEATURE:  
243 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
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246 <400> SEQUENCE: 14  
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249 <210> SEQ ID NO: 15 11  
250 <211> LENGTH: 11  
251 <212> TYPE: RNA  
252 <213> ORGANISM: Artificial Sequence  
254 <220> FEATURE:  
255 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA

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256 sequence  
258 <400> SEQUENCE: 15  
259 gggcggaucg g 11  
261 <210> SEQ ID NO: 16  
262 <211> LENGTH: 11  
263 <212> TYPE: RNA  
264 <213> ORGANISM: Artificial Sequence  
266 <220> FEATURE:  
267 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
268 sequence  
270 <400> SEQUENCE: 16  
271 gggcgguucg g 11  
273 <210> SEQ ID NO: 17  
274 <211> LENGTH: 11  
275 <212> TYPE: RNA  
276 <213> ORGANISM: Artificial Sequence  
278 <220> FEATURE:  
279 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
280 sequence  
282 <400> SEQUENCE: 17  
283 gggcgccgcg g 11  
285 <210> SEQ ID NO: 18  
286 <211> LENGTH: 11  
287 <212> TYPE: RNA  
288 <213> ORGANISM: Artificial Sequence  
290 <220> FEATURE:  
291 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
292 sequence  
294 <400> SEQUENCE: 18  
295 gggcgccccg g 11  
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298 <211> LENGTH: 11  
299 <212> TYPE: RNA  
300 <213> ORGANISM: Artificial Sequence  
302 <220> FEATURE:  
303 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
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307 gggcgguag g 11  
309 <210> SEQ ID NO: 20  
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311 <212> TYPE: RNA  
312 <213> ORGANISM: Artificial Sequence  
314 <220> FEATURE:  
315 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic RNA  
316 sequence  
318 <400> SEQUENCE: 20  
319 gggcgguug g 11  
321 <210> SEQ ID NO: 21

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/699,667A

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Input Set : A:\258-235.txt

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L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8